If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.54.a U-Down & V-Primary (PEER 25) Critical Device Tests

C-A-OPN	M Procedures in w	hich this Attachmen	t is used.
4.120.54			
4.120.34			
	Hand Proce	essed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>
	Approved:	Signature on F	<u>'ile</u>
		er-Accelerator Depar	

V. Castillo

4.120.54.a U-Down & V-Primary (PEER 25) Critical Device Tests

PASS SEMI-ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
<u>Initial testing complete</u> :	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
Acceptance test procedure complete (following repairs and retesting if r	required):
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
<u>Test results reviewed by</u> :	
Safety Section Head's Name (Print):	Life Number:
Safety Section Head's Name (Sign):	/
Test results accepted by Radiation Safety Committee:	
RSC Member's Name (Print):	Life Number:
RSC Member's Name (Sign):	

2

8.1.1	Test that Critical Devices: Power Supply UD1,2 cannot be enabled in Safe Access, Mode 2
	Restricted Access, Mode 8 and Controlled Access, Mode 16.

П	PLACE VERIFY	Peer 25 in Safe Access, Mode 2 MCR sees Peer 25 in	MODE 2
_	AT	912 Critical Device Box	
	VERIFY	Div A RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Div B RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Power supply red Bullseye lamp for UD1,2 is	OFF
	VERIFY	Attempt to turn on Power Supply UD1,2	FAIL
	PLACE	Peer 25 in Restricted Access, Mode 8	
	VERIFY	MCR sees Peer 25 in	MODE 8
	AT	912 Critical Device Box	
	VERIFY	Div A RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Div B RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Power supply red Bullseye lamp for UD1,2 is	OFF
	VERIFY	Attempt to turn on Power Supply UD1,2	FAIL
	PLACE	Peer 25 in Controlled Access, Mode 16	
	VERIFY	MCR sees Peer 25 in	MODE 16
	AT	912 Critical Device Box	
	VERIFY	Div A RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Div B RIO Output Leds 6 □ & 7 □ are	OFF
	VERIFY	Power supply red Bullseye lamp for UD1,2 is	OFF
	VERIFY	Attempt to turn on Power Supply UD1,2	FAIL

[☐] Check for acceptance of Test that Critical Device: Power Supply UD1,2 cannot be enabled in Safe Access, Mode 2; Restricted Access, Mode 8 and Controlled Access, Mode 16.

8.1.2		Access, Mode 8 and Controlled Access, Mode 10		
	PLACE	Peer 25 in Safe Access, Mode 2		
	VERIFY	MCR sees Peer 25 in	MODE 2	
	AT	H10-House Critical Device Box		
	VERIFY	Div A RIO Output Led 7 □ is	OFF	
	VERIFY	Div B RIO Output Led 7 □ is	OFF	
	VERIFY	Power supply Pass Security Led for H10 is	OFF	
	VERIFY	Attempt to turn on Power Supply H10	FAIL	
	PLACE	Peer 25 in Restricted Access, Mode 8		
	VERIFY	MCR sees Peer 25 in	MODE 8	
_	AT	H10-House Critical Device Box		
	VERIFY	Div A RIO Output Led 7 □ is	OFF	
	VERIFY	Div B RIO Output Led 7 □ is	OFF	
	VERIFY	Power supply Pass Security Led for H10 is	OFF	
	VERIFY	Attempt to turn on Power Supply H10	FAIL	
	V 23441 1	recempt to turn on 1 ower supply 1110	1.112	
	PLACE	Peer 25 in Controlled Access, Mode 16		
	VERIFY	MCR sees Peer 25 in	MODE 16	5
	AT	H10-House Critical Device Box		
	VERIFY	Div A RIO Output Led 7 □ is	OFF	
	VERIFY	Div B RIO Output Led 7 □ is	OFF	
	VERIFY	Power supply Pass Security Led for H10 is	OFF	
	VERIFY	Attempt to turn on Power Supply H10	FAIL	
	_	nce of Test that Critical Device: Power Supply Fed Access, Mode 8 and Controlled Access, Mode END OF TEST PROCEDURE		cess,
TTL: Sign	n for completi	ion of initial testing:		
			Date://	
TTL: Sign	n for completi	ion of final testing:		
			Date:/	